

N Y E, 1648.

A New Almanack and  
Prognostication for  
the Year of our  
Lord, 1648.

*Being the Leap Year.*

Calculated exactly for the  
Meridian of the faire and  
populous Town of *Birmicham* in  
Warwickshire, where the Pole is  
elevated above the Horizon  
52. deg. and 36. min. This  
being the middle-  
most Town in all  
England.

By *Nathaniell Nye, Mathem.*

LONDON,  
Printed for the Company of  
STATIONERS.

Common or vulgar Notes for this present yeare 1648.

The Julian or English Accompt.

The Golden Number,	1
The Circle of the Sun or sunday letter,	1
The Epact beginning March the first,	13
The Dominical Letters,	13
From Christmas to Shrovesunday 7 weeks.	W. 1
Shrovesunday,	Feb. 13
Easter day,	April 1
Ascensionday,	May 11
Vigilunday,	May 7
Whit-sunday,	May 21
Trinity-sunday,	May 28
Advent-sunday,	Decem. 26
Sundays after Trinity,	26

Charles our Sovereign King did begin his raigne over Great Britain the 27 of March, Anno Dom. 1625. and hath reigned 23 years compellat the 26 of March, but the 27 day is initium Anni 24 Regni.

The Golden Planet Venus is our bright morning Star from the 21 day of Nov. 1647. untill the 4d September this year, and therefore is called Lucifer, then from the said 4 day of Septemb. sh: becommeth our bright Evening Star, and so continueth untill the end of the year, sh: being Occidentall, is calle Hesperus or Vesperus, shning most gloriously in the West, and sometimes is eclipsed by the Moon when sh: is in her first quarter.

The Dominion of the Moon in Mans  
body, passing under the twelve  
Zodiacall Constellations.

V Aries, Head and Face.

5 Taurus  
Heck and  
throat  
6 Cancer  
breast, sto-  
mach and  
ribs.  
7 Virgo  
bowels &  
belly.  
8 Scorp.  
Secret  
members.  
9 Capricorn  
knees.



10 Gemini  
Armes and  
shoulders.

11 Leo  
Heart and  
back.

12 Libra  
Knees and  
loynes.

13 Sagittarius  
Thighes.

14 Aquarius  
Legs.

\* Pisces the Feet.

The Characters of the Seven Planets.

Saturn, ♃ Jupiter, ♂ Mars, ☽ Mer., ♀ Ven.,  
Mercury, ☽ the Moon, ☽ the Dragons head,  
☽ the Dragons Tail.

The Aspects of the Planets.

- Conjunction, when Planets are in one sign & deg.
- × S Quartile, when they are distant just 2 signs.
- S Quarte, when they are distant 3 whole signs.
- △ S Tryne, when they are distant 4 signs.
- In Opposition, when planets are dist. 6 whole sig.

There are of late 5 other Aspects devised, but be-  
cause they are little used or regarded by any man,  
I forbear to set them down.

A Necessary and perfect Table to know  
the beginning and ending of every  
Term, the number of the Returns and  
the day of the Moneth where-  
upon they happen this  
present yeare.

Hillary Term, beginneth January the 24 and endeth  
Feb. 12. it hath four Returns.

Oct. Hillary, Jun. 20 Crast. Purif. Feb.  
Quind. Hillary, Jun. 27 Octab. Purif. Feb. 10

Easter Term, begins 19 April, ends May 15, hath  
five Returns.

Quind. Pasch. April 17 Quinque Pasch, May 8  
Tres Pasch. April 24 Crast. Ascen. May 12  
Mense. Pasch. May-day

Trinity Term, begins June the 2. ends June the 21.  
and hath but four Returns.

Crast. Trin. May 29 Quind. Trinit. June 12  
Oct. Trin. June 5 Tres Trin. June 19

Michaelmas Term, begins October 23. ends November  
28, and hath six Returns.

Tres Mich. Oct. 20 Crast. Mart. Nov. 11  
Mense. Mich. Oct. 27 Oct. Mart. Nov. 18  
Crast. Unum. Nov. 3 Quind. Mart. Nov. 25

January hath xxxi. dayes.

last quarter the 7 day, at 5 in the morning.  
 New moon the 14 day, at 6, & 2e morn eveniug  
 first quarter the 22 day, at 11 at night.  
 full moone the 29 day, at 12 at night.

1	10 yearday.	leo 4	Circumflex	3	58
2	sun. aft. critis.	leo 18	♂ ⊖ ⊖ faire and	3	59
3	Lambthur fa.	virg. 3	♀ ⊖ ⊖ frosty.	4	1
4	The 7 star. sou.	vir. 18	frosty.	4	3
5	at 7 & 47 nigh	libra 2		4	4
6	Feb. 10	libz. 17	Epiphany	4	5
7	Chritmas.	scorp. 9	□ ⊖ ⊖ ante	4	6
8	sun af. Crist	scor. 29	♀ 15.deg. ♂	4	8
9	Bamburg fa.	lag. 12	○ ○. 15. mō: ♂ ♀	4	10
10	Sun in mō:	lag. 26		4	11
11	hillary Wth.	cap. 8	4 8. mō:	4	12
12	7 stars south	aqua. 1	♂ ○ ⊖ 6. post.	4	14
13	hour 5.	aqu 13		4	15
14	4 sun. aft. Crist	aqu 27	♀ 7. somewhat	4	17
15		pisc. 7	♂ ⊖ ⊖ moyst.	4	19
16		pisc. 19		4	20
17		aries 1		4	22
18	7 sta. so. 6h. 40	ait. 15		4	23
19	Agnes Virg.	arie 27	h 26. degree ⊖	4	25
20	7 stars soers 2.	taur. 9	□ ○ ⊖ 11. post	4	27
21	47 mor.	tau. 20	♂ ⊖ h very cold	4	28
22	Term begins	gem 20	werther.	4	30
23		gem 12		4	32
24	fall ray.	gem 29		4	34
25	7 stars south 6	can. 13		4	35
26	12. p.	can. 27		4	37
27		leo 2 17	♂ ○ ⊖ 12. post	4	39
28	Septuagesima	leo 27	I he 7 stars set	4	41
29	Lantice fatt	vir. 12	at 2 & 10. morn.	4	43
30				4	45

February hath xxviii. dayer.

☽ last quart. the 5 day, half an hour past 2 at night.  
 ☽ New moon the 13 day, about one afternoon.  
 ☽ First quart. the 21 day, at 2 in the afternoon.  
 ☽ Full moon the 28 day, half an hour past 6. in mon-

M.	W.	Faires, Feasts, and Fast days	The sign that the ☽ is in.	The Aspects of the Planets with the ☽ and amongst themselves.	The setting
1	d	Brom. in La.	vir. 27	Wet.	4 48
2	e	Card. biss. 3	lib. 12	Purification of M.	4 50
3	f	Wrox. faste.	lib. 27		4 51
4	g		scor 1	Moyst.	4 54
5	a		scor 24	☽ ☽ 3 post ☽ h̄	4 56
6	b	Sexag. simi.	lag. 8		4 58
7	c	Stafford fast	lag. 20	☽ in the 26. ☽	5 0
8	d	3 daps. roget.	cap. 3	About the 7.8 or	2
9	e	Sun. in ♍.	cap. 15	9 day, look for	5 4
10	f	Landaff faire	cap. 28	wind and snow or	5 6
11	g		aque 10	rain.	5 8
12	a	W. in eips.	aque 22	☽ ☽	5 10
13	b	Shrovetunday.	pisc. 4	☽ ☽ 1 post ☽ ♍	5 12
14	c	Valentin fe-	pis. 16		5 14
15	d	berham in	pis. 28	A bad season.	5 16
16	e	Kent faire.	aries 5		5 18
17	f		arie 21	☽ 26d. 30.m. ☽	5 20
18	g		taur. 3	☽ 3.32. m	5 22
19	a		tau. 16	☽ 10d. 42m ♍	5 24
20	b	I sun. in lent.	tau. 28	☽ 4.25 ☽ h̄	5 26
21	c		gem 11	☽ 3 night.	5 28
22	d		gem 24	Wavering and in-	5 30
23	e	Fast day.	anc. 7	constant weather	5 32
24	f		can. 21	☽ in 6.deg. ♍	5 34
25	g	St. Paras.	leo 5		5 36
26	a		leo 20	☽ ☽ ☽	5 38
27	b	sun. in lent.	vir. 5	☽ ☽ ☽ ☽ ☽	5 40
28	c	Augustine b.	vir. 21	☽ ☽ 6 ante.	5 42
29	d		libr. 6		5 44

March hath xxxi. dayes.

Last quarter the 6 day, at 4 in the morning.  
 New moon 14 day, 3 quart. past 6 in the morn.  
 first quarter the 22 day, at 3 in the morning.  
 Full moone the 28 day, at 6 ta night.

1	d	David Bish.	lib. 21	Windy.	5	44
2	c	Brad.	scor. 6		5	46
3	f	Price fatre.	scor. 20	♂ h̄ C Raine.	5	48
4	g	Dekham fatre.	lag. 4		5	50
5		3 sun. in lent.	lag. 17		5	52
6	b		cap. 0	□ ○ C 4 ante.	5	54
7	c		cap. 12		5	56
8	d	Tregarron fa	cap. 25		5	57
9	e		aqu. 7	About the 9. 10 &	5	59
10	f	Hol ent. V.	aqu. 19	11 d. win. & rain.	6	1
11	g		ptsc. 1	♂ 4 Coo ♂ 7 Jan	6	3
12		Midlent S	ptsc. 13		6	5
13	b	Bodwin fatre	ptsc. 24	♂ 5 C 8. post.	6	6
14	c		aries 6	♂ ○ C 6.45. ante	6	9
15	d		arie 18		6	11
16	e		taur. 1	* ♀ C faire.	5	13
17	f	Pattington fa	tau. 12		6	15
18	g	Sturb. in wo	tau. 25	♂ h̄ C 7 post.	6	17
19		5 sund. in len.	gem. 8	♂ in 28 ♀.	6	19
20	b		gem. 26	♀ in 29. deg. of ♎	6	21
21	c		canc. 3	□ ○ C 11. ante.	6	23
22	d		can. 17	○ indegr. 27. V	6	25
23	e		leo 6	U. 17. ♈	6	27
24	f		leo 14	△ ○ C 00	6	29
25	g	Ammon. Ma.	leo 29	♂ 4 C 2. post.	6	31
26		Palm sundy.	btr. 14		6	34
27	b	King. Ch. beg.	btr. 29	♂ 5 C hailes	6	36
28	c		lib. 14	♂ ○ C 6. p.	6	38
29	d	The fast day	lib. 29		6	40
30	e		scor. 14	♀ at gr. dist. 2. ○	6	42
31	f	Walmisbury fa	scor. 28	♂ h̄ C some drops	6	44

Apfull hath xxx. dayes

- ¶ Last quarter the 4 day, at 7 at night.
- ¶ New moon the 12 day, at 11 at night.
- ¶ First quart. the 20 day, half an hour before noon
- ¶ full moon the 28 day, at 3 in the morning.

1	g	Mary Egypt	sag. 12	The d. 13 ho. &	6 45	22
2			sag. 26	an half in length	6 47	
3	b	Leck in Staffs.	capr. 9		6 49	
4	c	Lordshire.	cap. 21	□ ○ ♂ 7. p.	6 51	
5	d	Wallingford	aqua. 4		6 53	Ma
6	e		aqu. 16		6 55	
7	f	Darby faire	aqu 28	♂ ♊ 2 post	6 57	Ko
8	g		pisc. 9	Low Sunday	6 59	Dr
9		1 sun. af. East	pis. 21		7 1	Ma
10	b	Willingwort	aries 3	Cloudy ♂ ♀	7 3	23
11	c	○ in 1 de. of ○	arie 15	○ ○ 11 post	7 5	
12	d		arie 27		7 7	D
13	e	Wallerian ma	tau. 10	Very fair & clear	7 9	6
14	f	Stat. Math.	tau. 22	♂ ♀ 6 ante.	7 11	ro
15	g	Hye 24.	gem. 5		7 13	20
16		2 sun. af. East	gem 17		7 15	L
17	b		canc. 0	♂ in 19 deg. ♍	7 17	
18	c		can. 13	♀ in 29. 27 ♀	7 19	
19	d	Term beginn.	can. 27	□ ○ 11. ante	7 20	
20	e		leo 20	○ 11. 42 ♈	7 22	
21	f	Hinmon bish.	leo 24	♂ in 2. 24 ♊	7 24	
22	g	Stafford faire	virg. 9	♀ 8 deg. 14 in ♍	7 26	
23		○. George.	vir. 23		7 28	
24	b		libra 8	♂ ♂ stormes	7 30	
25	c		libz. 23		7 32	
26	d	Cleet fa.	scor. 7		7 33	
27	e		scor. 22	♂ ♀ 4 ante	7 35	
28	f	Citalis matt.	sag. 6	♂ ○ 3 ante	7 37	
29	g		sag. 20	Change of weath	7 39	
30		4 sun. af. East	cap. 4	the d. 15. h. 20. m	7 40	

May hath xxxi dayes.

last quarter the 4 day, at 11 before noone.  
new moon the 12 day, at one afternoone.  
first quart. the 19 day, at 5 and 20 min. after.  
full moon the 26 day, iust at noone.

6 45	Mar day	capri. 1	Philip and Jacob	7	41
6 47		aqua. e	Very fair and	7	43
6 49	Abergweny fa	qu. 12	cleare.	7	44
6 51		aqu 24	□ ○ C II ante	7	46
6 53	Marthen fair	pisc. 6	♂ ♀ C	7	48
6 55		pisc. 18	h in 5 II	7	49
6 57	Hogation sun	aries	○ Somewhat windy	7	50
6 59	Oxford & Wa	arie 11	A little rain	7	52
7 1	Maidstone fa	arie 24		7	53
7 3	Sh. in Peak	taur. 6	♂ ♀ ♂ 5 ante	7	55
7 5	Gun in II	tau. 18	Ascencion day.	7	56
7 7	Dunstabi sat.	gem. 1	♂ ○ C I post	7	58
7 9	Graves The	gem 14		7	59
7 11	rock in Essex.	gem 27	Vpon the 11 day	8	0
7 13	Welchpoole fa	can. 10	is Birmicham fair	8	2
7 15	Langurran fa	can. 24	Term ends.	8	4
7 17		leo	7 Calme	8	5
7 19		leo 21	□ C h	8	7
20	Rochester sat.	virg. 5	□ ○ C 5 p.	8	9
21	Walmisbury f	vir. 19 I. 19. np.	U	8	10
24		lib. 3	Pento. h. 6.21 III	8	11
26		lib. 18	♂ in 8. 14. d ♂ ♂ C	8	12
28	♂ ♀	scor. 3	Fair and clou.	8	12
30		scor. 17	♂ ○ C 10one	8	13
32	Bede Gish	sag. 1	The C is ecl. this	8	14
33	Blackburn fa	sag. 1	ful moon but bec.	8	15
35		sag. 29	it hapn. at noon it	8	15
37	Trinity f	cap. 12	wil not be seen of	8	16
39	Crambrock fa	cap. 25	us, but by them th	8	16
40		aqu. 8	live iust under us	8	17
	Parshore in C	aqu. 20	Fall day ♂ ♀ C	8	17

June hath xxv. dayes.

☽ Last quarter the 3 day, at 4 and 20 min. n.  
 ☽ New moon the 11 day, a little before one.  
 ☽ First quarter the 17 day, at 10 at night.  
 ☽ Full moone the 24 day, at 10 and 40 min. n.

1	e	Hichodemus	pisc. 2	Sharp wir. at Se.	8
2	f	Hadstock fair	pis. 14	Calme b. gen.	5
3	g	Wilsbury fa.	pis. 26	□○€ 4 ante	5
4	h	1 sun. af. Tri.	artes 8	sh. wind & rai	5
5	b		arte 20	△ 4 €	5
6	c	Claudius	Btaur. 2	Calme	5
7	d	Wolstan trant	tau. 14	sh. some drops	5
8	e		tau. 29	♂ ♂ € 4 ante	5
9	f	Waldston fa.	gem. 5	♂ ♀ €	5
10	g		ge. 23	The longest day	6
11	h	2 Sun af. Tri	canc. 6	○○€ 11 post	6
12	b	h	can. 24	Sunne ecclipsed	6
13	c	Anthony con	leo 4	this new moone,	6
14	d	Wangoz faire	leo 18	but not seen of us	6
15	e		virg. 3	because it hap-	6
16	f	Wizes faire	vir. 16	neth at midn ght.	6
17	g	Hadstock fair	libra 6	Very fair, calme &	7
18	h	3 lund. af. tri.	lib. 14	temperate weath.	7
19	b		lib. 24	□ 4 ♂ hot whea.	7
20	c	Silvester	scor. 13	4 in 5. degr. m	7
21	d	Com euda	scor. 26	♂ in 5 II ♂ ♂	7
22	e	Shroombury	lag. 10	20 II ♂ ♂	7
23	f		lag. 24		7
24	g	John Bayt.	cap. 7	Midsummer day.	8
25	h	4 lund. af. tri.	cap. 20		8
26	b	Wurton on T.	aqu. 4	△ ♀ €	8
27	c	7 sleepers	aqu. 16		8
28	d	8 aft bay	aqu. 28	♀ 4 € midnight	8
29	e	Walter. 10	pis. 10		8
30	f	Wart. in The	pis. 22	* ♂ €	8

July hath xxxi. dayes.

Last quart. the second day, at 9 and 33 min. even  
New moon 10 da. at half an hour past 10 beforono.  
first quarter the 17 day, at 3 in the morning.  
full moon the 24 day, a quart. past 11 beforeno.

1	aries 4	□ ○ C	8	12
2	5 Sun. af. tr. arie 16	Very hot	8	13
3	6 Huntington tau. 10	Great windes at	8	19
4	7 Congerton tau. 22	Sea,	8	9
5	8 Burton on T. gem. 5		8	8
6	9 ge. 17	♂ ♂ C	8	6
7	10 Chipping nor. canc. 1		8	4
8	11 can. 14	♂ ♀ C	8	3
9	12 Sund. af. tr. can. 28	♂ ○ C	8	1
10	13 leo 23		7	59
11	14 Lidde faire leo 27		7	58
12	15 Sun in N. vir. 12	Thunder will be	7	56
13	16 vir. 26	heard in some	7	54
14	17 lib. 12	places this month	7	53
15	18 Green. in sus. lib. 25		7	51
16	19 Sund. af. tri. scor. 9		7	49
17	20 scor. 23	□ ○ C	7	48
18	21 scor. 22		7	47
19	22 Deg cap. sag. 6	♂ 27 II	7	46
20	23 sag. 20	13.32 II locust	7	44
21	24 Bolton faire. cap. 3	U 10.51 m	7	43
22	25 ap. 16	♀ 27 deg. S	7	41
23	26 Sund. af. tri. cap. 25	♂ ○ C	7	40
24	27 Carnarvon aqu 13		7	31
25	28 James. aqu 24		7	37
26	29 Bedwly faire. pis. 6	fall day.	7	36
27	30 pis. 18	♂ 4 ♀	7	34
28	31 Hampson Waries arie 12		7	32
29	32 Sund. af. tri. arie 25	Very hot weath.	7	29
30	33 Germain. taur. 9	Raine.	7	27

Sep

## August hath xxxi dayes.

Last quarter the 1 day, at 2 in the afternoon.  
 New moon the 8 day, at 7 at night.  
 First quarter the 15 day, at 10 before noon.  
 Full moon 22 day, at 2 in the morning.  
 Last quart. the 21 day, at 5 & 30 in the morning.

1	c	Lammas day	tau. 20	□	○	□	z.p	17	2	14	1
2	d		gem	○	Very faire and			7	4	Oct	
3	e		gem 12	cleare.				7	2	c	Bu
4	f	Madnor faire	gem 27	♂	○			7	4	d	
5	g		cane.	2				7	1	e	
6	a	10 sun. af. Tr	can. 29	Thunder				7	16	f	W
7	b	Peterburrow	leo	7				7	14	g	t
8	c		leo 21	♂	○	8	p	7	12	h	15
9	d	Wambury	virg. 7	♂	♀			7	10	i	
10	e	H. Laurence	vir. 20	□	♀	♂		7	8	j	
11	f		libra 6					7	6	k	
12	g		libr. 23	Some drops				7	4	l	
13	a	11 sun. af. tri.	scor. 17					6	2	m	
14	b		sag.	○	□	○	z	6	0	n	
15	c	S. Albons fa.	sag. 13					5	58	o	
16	d		sag. 25					6	57	p	
17	e		cap. 8	Wind. The da. are				6	55	q	
18	f	Helena	cap. 20	shortned 3 hours				6	53	r	
19	g		aqua. 4	♀ in 17 $\text{m}$				6	51	s	
20	a	12 sun. af. tri.	aqua. 16	♀ in 4 deg. $\text{m}$				6	49	t	
21	b		aqua. 28	♂ in 17 deg. $\text{S}$				6	47	u	
22	c		pisce. 9	♂ ○	z	ante.		6	45	v	
23	d		pisce. 20					6	45	w	
24	e	Warteburrow	aries 2					5	42	x	
25	f	Paggots	arie 14	Calme				6	39	y	
26	g	Wromley fa.	taur. 0					6	37	z	
27	a		taur. 12					6	35		
28	b	Sturbridge fat	taur. 25	Cloudy				6	33		
29	c		gem 9					6	30		
30	d		gem 22					6	29		
31	e	East bur	can. 17	□	○	□	z. te	6	29		

September hath xxx. dayes.

new moon the 7 day, at 3 in the morning.  
 first quarter the 13 day, at 7 and 23 evening.  
 full moon the 21 day, at 6 and 10 min. at night.  
 last quarter the 29 day, 7 at night.

17 2 3 f	Gyles abbot	canc. 4	Very faire and temperate weath	5 25
17 4 4 g	14 sun. af. tri.	leo 1	5 ⊖ ♀ from this	5 21
17 4 5 b	Ockham in Bucklandshire.	leo 15	beyond the years	5 20
17 4 6 c		leo 29	end ♀ is Occident	5 18
17 4 7 d		vir. 14		6 16
17 4 8 e		libra 0	6 ⊖ ☽ 3 ante	6 14
17 4 9 f	Ware and therston fair	libra 15	Sturbridge faire	5 12
17 4 10 g		scor. 0		5 10
17 4 11 b	15 sun. af. tri.	scor 15	Serene Skies	6 8
17 4 12 c		scor 29		5 6
17 4 13 d	Tuxford fair	lag. 13		6 4
17 4 14 e		lag. 27	□ ⊖ ☽ 7 post	5 2
17 4 15 f	Holy Rood	cap. 10	Equall day and	5 0
17 4 16 g	Denbey fair	cap. 22	night.	5 58
6 0 6 g		aqu. 5		5 56
5 58 7 b	16 sun af. tri.	aqu. 17		5 54
5 57 8 b	Clifford faire	pisc. 0	White clouds	5 53
6 55 9 c		pisc. 11		5 50
6 53 10 d		pisc. 23		5 48
6 51 11 e	Spalding Sp.	aries 6	♂ in 5 deg. ♐	5 46
6 49 12 f		arie 17	♀ in 11, deg. 50	5 44
6 47 13 g	Panckridge fa	arie 19	min. ☽.	5 42
6 45 14 b	17 sun. af. tri.	tau. 11		5 40
6 45 15 b		tau. 23	Raine	5 37
6 42 16 c		gem 5		5 35
6 39 17 d	Halbury	gem 17	Windy	5 33
6 37 18 e		canc. 0		5 30
35 19 f	Spalding Sp.	canc. 13	□ ⊖ ☽ 7.p.	5 28
33 20 g		canc. 26		5 26

October hath xxxi dayes.

● New moon the 6 day, at 11 & 40 min. before  
 ● First quarter the 17 day, at 9 in the morning  
 ● Full moon the 21 day, last at noon.  
 ● Last quarter the 29 day, at 6 in the morning

1	b	18 sun.af.tri.	leo 9	
2	b	Salisbury	leo 41	♂ ♂ ☽
3	c	Wolton in the Woores.	virg. 8	It begins to bee
4	d		vir. 24	cold and windy.
5	e		lib. 8	
6	f	Faiths bynor	lib. 23	☽ ☽ 12 midday
7	g		scorp. 8	Calme.
8		19 sun.af.tri.	scor. 23	Raine.
9	b	Wish. Strat.	sag 8	♂ ℥ ☽
10	e		sag 2	White Clouds.
11	d		cap. 6	
12	e		cap. 19	Sun enters Scor.
13	g	Maurise.	aqu. 2	□ ☽ ☽ 9. ante.
14	g		aqu 14	
15		20 sun.af.tri.	aqu 26	Moist.
16	b		pisc. 8	
17	c		pisc. 20	☿ 15. II
18	d	Wise Chan.	arie. 2	♂ ♍ ☽ 8. ante.
19	e		arie 14	
20	t	Pork faire.	arie 26	♂ 22. ♑
21	g	Halston wal.	tau. 8	♂ ☽ ☽ noon.
22		21 sun.af.tri.	tau. 20	♀ 29. ny △ d?
23	b	Cottill begin	gem. 2	
24	c		gem 14	♂ ℥ ☽
25	d	Beverly	gem 27	
26	e		can. 10	Haile.
27	f		can. 22	
28	g	22 sun.af.tri.	leo 6	
29	b		leo 19	△ ☽ ☽ 6. ante
30	b	Wakefieldfr.	vir. 3	
31	c		vir. 7	

November hath xxx dayes.

new moon the 4 day, at 9 a'clock & 30 min. night.  
 first quarter the 12 day, at 2. in morning.  
 full moon 20 day, at 6 a'clock & 15 m. morn eclips.  
 last quarter the 27 day, at 6 at night.

libra 2		4	23
lib. 17		4	21
Carmarthen f	scor. 2	♂ ♀ fair but win	4 19
	scor 17	♂ ○ C. 9. p.	4 18
23 sun. af. tri.	sag. 1	26 other tri. for	4 16
	sag. 16		4 15
Bedford faire cap.	○	Wind and wee.	4 13
	cap. 14		4 11
	cap. 27	Inconstant.	4 10
wem in staff.	aqu 10		4 8
Malburrough	aqz 23	♂ ♂ ○	4 7
24 sun. af. tri.	pis. 5	□ ○ C 2. ante	4 5
	pis. 17		4 3
	pis. 29		4 2
Wellington f.	arie 11	Cold.	4 1
	arie 23		3 59
Borthamton	tau. 5		3 58
	tau. 17		3 51
Horsham faire	tau. 22	♂ in the 6deg. ny	3 56
S. Edmonds	gem 11	♂ ○ C 6. ante.	3 54
	gem 24	This full C she is	3 53
	canc. 7	Eclipsed to bee	3 52
Clement W	can. 19	seen of us if the	3 50
	leo 3	aire be cleare.	3 50
Katherine W	leo 16		3 59
26 sun. af. tri.	virg. 0	♂ ♂ C.	3 58
	vir. 14	△ ○ C. 6. p.	3 47
Corn ende.	vir. 24		3 46
	lib. 12		3 45
Bucke Wpo	lib. 26		3 44

December hath xxx dayes.

- New moon 4 day, at 9 a clock and 30 min.
- First quarter the 11 day, at 10 at night.
- Full moon the 19 day, at 11 at night.
- Last quarter the 26 day, at midnight.

1	a		scor. 11	Frost	3 4
2	b		scor. 26		3 4
3	c	Robert fest.	sag. 10	Cold raitie	3 4
4	d		sag. 24	♂ ⊖ ☽ 9 ante	3 4
5	e	Newton faire.	cap. 8		3 4
6	f	Brundell in Sussex.	cap. 22	Variable	3 4
7	g		aqua. 5		3 4
8	a	Leicester faire.	aqs. 19	Winds and wet	3 4
9	b		pis. 1	♂ ⊖ ♀ : 47 ≈	3 4
10	c		pis. 13		3 4
11	d	Hun in y <sup>o</sup>	pis. 25	The shordest day	3 4
12	e		aries 7	♀ in 11 degr. II	3 4
13	f		arie 19	♂ in 13.48 ♀	3 4
14	g		taur. 1		3 4
15	a	Valerian bl.	tau. 13	Cold	3 4
16	b		tau. 25		3 4
17	c		gem. 7	♂ ⊖ ☽	3 4
18	d		geni 20	♂ ⊖ ☽ II post	3 4
19	e		tanc. 2		3 4
20	f		can. 16		3 4
21	g		can. 29		3 4
22	a		leo 13		3 4
23	b		leo 27		3 4
24	c		vir. 10	♂ ⊖ ☽	3 4
25	d	Christm. next.	vir. 24	□ ⊖ ☽ midnight	3 4
26	e		libra 8	Like to be a fro-	3 4
27	f		libz 23	sty Christmas,	3 4
28	g		scor. 7		3 4
29	a	Canterbury f	scor. 21		3 4
30	b		sag. 5		3 4
31	c	Hun. af. chz.	sag. 19		3 50

A.  
PROGNOSTICATION  
for the Yeare

1648.

Wherein is contained a descri-  
ption of the foure Quarters  
of this Yeare.

And also is described  
the Constellations of the  
Stars to find the true houre of the  
night, and to find the houre  
of the day with a plain  
Walking-staffe,  
*very pleasant and profitable.*

---

Calculated for the Meridian of the  
faire Town of *Birmicham* in War-  
wickshire, neer the Middle of *England*.

---

By *Nat. Nye*, Mathematician.

LONDON,

Printed by *J.Y.* for the Company of  
STATIONERS.

## A brief Chronology of some memorable things

**T**He Creation of the World. 59 short des  
Noah's Flood 39  
The building of the Temple by King *Solomon* 18 He beg  
Brute entered this Island 27 on the the  
*Julius Cesar* conquered this Kingdome 17 the S  
*Julius Cesar* reformed the yeare 16 full leng  
The Destruction of Jerusalem 15 both t  
England received the Christian faith 14 runs t  
Duke *William* conquered this Kingdome 13 place of 92  
The Town of Birmicham was built 12 The Su  
Gunneres were first invented 11 min.o  
Printing was invented 10. o  
**M**artin *Luther* did oppose the Pope 11 longe  
The Royall Exchange was built 10. q  
The Rebellion in the North 9. qu  
The Massacre in France 8. day  
Tilbury Camp 7. day  
King *Charles* was born November 19. 7. day  
The Powder Treason 6. Arv  
The last great Frost 5. v  
The Death of Prince *Henry* 5. number  
The Marriage of the Earle Palatinate and *Elisabeth* 5. greater  
The last blazing Starre 5. min  
His Majesties Reign began March 29. 4. with fog  
Prince *Charles* was born May 29. 4. plague,  
The Parliament began at Westminster Nov. 3. 4. the  

---

## Measures of England.

**T**He Compasse of England is Miles 19 He  
The greatest length thereof Northward and Southward, not crossing the Sea 18 whi  
Shortest length from Barwick to Calsha. C.in Hampshire 17 us  
The broadest place in England from the Lands end to the 16  
Sandwitch is 15 if re  
From St. Davids in Pembrookshire to Yarmouth is 14 Q

le thiag  
short description of the 4. Quarters of this year, 1648.

*Of the Spring.*

39. The beginning of the Spring hapneth this Yeare upon  
27. the 9. day of *March*, at 9. at night; at which mo-  
17. the Sun entereth  $\textcircled{V}$  making the dayes and nights of  
16. full length throughout the whole world (except un-  
15. both the Poles) this quarter continueth whilst the  
14. Sunnes thorow these three Signes,  $\textcircled{V}$   $\textcircled{S}$  and  $\textcircled{II}$  the  
9. space of 92. dayes and 4. houres.

*Of the Summer.*

2. The Summer begins at the  $\odot$  entrance into the first  
1. min. of the Northern and Tropicall signe  $\textcircled{G}$  upon  
1. the 10. of *June* at Mid-night: the daies being then at  
1. the longest, and with us at Birmicham about 16. houres  
1. and 3. quarters. This Season continueth while the Sun  
1. passeth through these 3. Signes  $\textcircled{G}$   $\textcircled{A}$  and  $\textcircled{M}$  the space  
1. of 93. dayes 15. houres and 7. min.

*Of Harvest.*

1. Harvest begins when  $\odot$  enters in the first min. of  
1.  $\textcircled{L}$  which hapneth this Yeare upon the 13. day of  
1.  $\textcircled{September}$ , 12. day at 4. afternoon; the dayes and nights  
1. and lengths equall, and as temperate as in the Spring. This  
1. quarter hath his period at the Suns departure from the  
1. 3. min. of  $\textcircled{P}$  a Signe cold and moyst, accompanied  
1. with fogs and mists ingendring much sicknesse, as the  
1. plague, Feavers, and such like: this Quarter conti-  
1. nued the space of 89. dayes and 11. houres in which  
1. the Sun passeth through  $\textcircled{M}$  and  $\textcircled{P}$ .

*Of Winter.*

1. The Winter beginneth at the Suns entrance into  $\textcircled{M}$ ,  
1. which hapneth this year upon the 11. of Dec. the 11.  
1. morn. at which time the daies are at the shortest, and  
1. length with us at Birmicham is 7. hou. and a quarter in length.  
1. Warme and moyst wind is an enemy to husbandmen;  
1. if reasonable store of Snow falleth, it begets plenty.  
1. This Quarter continues while the Sun passeth through  
1.  $\textcircled{A}$  and  $\textcircled{X}$ , 89. dayes.

# A Prognostication.

## Astronomical Notes.

The true Procession of the Equinox or distance of the first star in the Rams horn from the Equino<sup>it</sup> point (according to the Rodolphine Tables) is 18. Tab  
16. min. according to *Lansbergs Tables*, 18.deg. 21. min. rough  
and according to *Argols*, 18.deg. 19. min. equal

The Obliquity of the Zodiack (according to Tycho) is 23.deg. 31. min. and 30. sec. and according to the Henicall, it is 23. deg. 28. min. and 0. sec. but according to *Lansberg*, 23. deg. and 30. min.

## The Auges of the Planets.

### According to Argols Tables.

	degr.	min.	seconds.
☿	27	28	5
♀	8	25	10
♂	29	52	44
○	6	31	25
♀	0	40	0
♂	1	3	10

### According to Lansbergs Tables.

	degr.	min.	sec.
☿	26	53	
♀	3	8	
♂	26	31	
○	7	46	
♀	1	54	
♂	29	51	

The true magnitude of the Tropical yeare is 365.5 dayes, 5. hours, 49. min.

An exact way to find the true houre of the day with a walking staffe divided into ten equal parts.

The use of this Table following is to find the true houre of the day by a Walking staffe equally divided first into 100. parts, and each of these subdivided into ten more parts, so your staffe divided into 1000. the use whereof is thus: When you desire to know the true houre of the day, set it upright and measure the length of the shadow by the greater parts of your staffe when the staffe containeth 100. and if it fall between one of these great parts, then note how many of the lesser parts, I mean of the 10. parts, that fall betwixt every great division; this known, find the number of the parts in the Table right against the day of the moneth, and over them you have the true houre of the day: but if you cannot find the day of the moneth, take the neareste day thereunto, & so proceed as before.

# Nye, 1648.

A Table to find the true houre of the day  
throughout the yeare by a Staffe divided into  
equall parts.

Before noon	12	11	10	9	8	7	6	5
After noon	10	1	2	3	4	5	6	7
10	5	6	6	7	5	9	3	12
30	23	24	25	26	27	28	29	30
10	4	5	6	7	8	9	10	11
10	13	14	15	16	17	18	19	10
30	24	25	26	27	28	29	30	31
20	3	4	5	6	7	8	9	10
10	13	14	15	16	17	18	19	10
30	24	25	26	27	28	29	30	31
20	3	4	5	6	7	8	9	10
10	13	14	15	16	17	18	19	10
28	24	25	26	27	28	29	30	31
20	1	2	3	4	5	6	7	8
10	11	12	13	14	15	16	17	18
30	23	24	25	26	27	28	29	30
20	1	2	3	4	5	6	7	8
10	11	12	13	14	15	16	17	18
30	23	24	25	26	27	28	29	30
20	3	4	5	6	7	8	9	10
10	10	11	12	13	14	15	16	17

## A Prognostication.

*An Example to find the houre by the Table.*

**F**irst upon an even plain I erēt the staffe, and exāt notice where the shadow of the staffe ends, th I measure to that place where the shade of the top of staffe was, which suppose I find to be 13. that is 1. wh staffe and 3. parts more ; this done also, upon the 20. of April, against which day I find 12. and over the h of that columne I find the houre of the day to be either 9. in the morning, or 3. afternoon.

*Another Example.*

**I** Erect the staffe upon even ground, and find the shadow of the top of the staffe to be upon some straw, or other thing which I can remeber againe, th I measure from the place where my staffe was erēt unto the observed place, and find it cut 7. parts of the greatest division of the staffe and 5. of the small divisons which is betwixt each part, upon the 12. day of June because I cannot find that day in the Table, I take the 10. of June which will make small difference ; next seek for 7. great parts and 5. lesser : I find them, and ever head I find that it is either 10. before noon, or afternoon.

*A third Example.*

**U**pon the 30. day of April, I erēt the staffe and m sure its shadow, which I find to be 20. parts or just twice the length of my staffe, I find the said day of the moneth in the table, but cannot find the number of the right before it, onely I find 16. at 4. a clock, and 24. at 5. a clock : now 20. being halfe between 16. and 24. conclude the houre of the day to be halfe an houre after 4. in the evening : this is very easie.

# Arts Mathematicall

taught by Nath. Nye Mathematician, these Arts, Sciences, and Faculties, hereunder expressed.

In whole Numbers and Fractions.

Extraction of { Square.  
Cube.

Rootes

{ Of Astronomical Fractions.

The Art of Decimall Arithmetick.

The use of the Logarithmetical Tables to resolve all Arithmetical questions.

The Principles, with the Practice and Demonstration of Measuring of Land, and reducing of Plots and mapps to any Proportion.

Measuring of any superficiall or solid content, as Board, Glasse, Timber, and Stone.

Gaging of Vessels the exactest way.

The Doctrine of Plain and Spherical Triangles, with the use of the Tables of Sines, Tangents, and Secants, both naturall and artificiall.

The Globe and Sphere, Globe in Plano, Quadrant, Plain Table, Circumferentia, Circular Scale, Mathematicall Scale, the use and making of all sort of Astrolabs. The line of Proportion, with the use thereof in Arithmetick, Astronomy, Dialling, Geography, Navigation, Gaging of Vessels, Military Orders, Interest and Annuities.

Majick The description and making of sundry Instruments.

To measure heights, depths, and distances by plaine Glasses, and from the top of a hill to survey a whole Countrey.

To shew all the ordinary appearances and pleasant representations of the Opticks.

To represent the faces of severall Persons in a Glasse, they not being present.

To calculate the true motion of the celestiall orbs, and to find the Eclipses of the Sun and Moon for any time either past, present, or to come.

The Art of Navigation, and to finde the longitnde. To make all sorts of Dials, either fixed or instrumentall.

A true, easie, and perpetuall Table, where  
by to know the Suns Rising and Setting, the length  
the Day and Night, with the Break of Day and con-  
nuance of Twilight ; calculated for the Town of  
Richam, and may serve exactly all the middle Parts  
this Kingdome, and without sensible Error the whole  
Continent.

Moneths. Dyrs.	Break of Sun day.			Length Ris. of day.		Length of night.		Sun Set.		Twilight ends.		Days.	
	ho.	mi.	h. m.	ho.	mi.	ho.	mi.	h.	m.	ho.	mi.		
January	11	6	2	8	18	7	24	16	36	3	42	5	58
	21	6	1	8	16	7	28	16	32	3	44	5	59
February	1	5	55	8	6	7	48	16	12	3	54	6	5
	10	5	35	7	53	8	14	15	46	4	7	6	15
March	20	5	44	7	37	8	46	15	14	4	23	6	28
	1	5	14	7	16	9	28	14	32	4	44	6	46
April	10	4	57	6	57	10	6	13	54	5	3	7	3
	20	4	37	6	36	10	46	13	14	5	23	7	23
May	1	4	18	5	18	11	24	12	36	5	42	7	42
	11	3	55	5	58	12	6	14	54	6	2	8	5
June	21	3	29	5	37	12	46	11	14	6	23	8	31
	1	2	58	5	14	13	32	10	28	6	46	9	2
July	11	2	28	4	55	14	10	9	50	7	5	9	32
	21	1	53	4	37	14	46	9	14	7	23	10	7
August	1	1	6	4	19	15	22	8	38	7	41	10	54
	11	0	0	4	4	15	52	8	8	7	56	0	0
September	21	0	0	3	52	16	16	7	44	8	8	0	0
	1	All day	3	44	16	32	7	28	8	16	All day	21	
October	11	no nig.	3	42	16	36	7	24	8	18	night, no night.	11	

### The Use of this easie Table.

Find the moneth and day of the moneth that you require any of  
the aforesaid by, and seek the same in this Table under their  
proper titles, and proceed in right order ; so have you your  
desire : If the just day be not found, take the yeareft, or elſe make  
proportion, and the truth will appear.

Nye, 1648.

*Of Eclipses.*

His Year the inhabitants of the earth shall behold 4. Eclipses ; 2. of the Sun, and 2. of the Moon : of all which, none but the last of (will be seen in our Horizon.

The first is of the Moon, May 26. just at high noon, and therefore cannot be seen.

The second is of the Sun, upon June 10. about Midnight, therefore cannot be seen.

The third is of the Moon, upon November 20. at 6. morn. this will be seen of us in Great Britain. It beginneth at Birmicham at 4. a clock, and 32. min. in the morn. the middle will be at 6. a clock, and 10. m. and the end at 10. and 48. min. the Digits eclipsed will be 8. and 47. min. as you may see by this Figure.



The last of the Sun hapneth upon Decem. 3.  
but will not be seen of us.

Hereafter



Hereafter followeth excellent Ta  
and Rules to find and know divers cele  
constellations and stars, and by knowing the star  
to find the true houre of the night without any In  
ment. A thing worthy every mans observation  
and very profitable for Sea-men.

*The names of the Stars and parts of the Right  
Constellations ; their Rising, Southing,  
and Setting.*

	Right Ascen. sion.	The Point upon which the Rise and So.	ho. mi.	Days D the Comp ademi the st
Lucida Corona sets	0 8	N W		
Head of Hercules & Serpentar. sets	0 20	W N		
Little Dog-star riseth	0 44	E to the		
Right Knee of Orion riseth	0 24	E S E		
Star in Androm. girdle Mirack Sou.	0 48	South		
Fornhaunt sets	0 52	S W to W		
Middle * in Great Bears tayle S.	1 8	South		
Northermost star in Lions neck Ri.	1 28	N E to N		
Medusas head.cal'd Ras Algol Sou.	1 40	South		
Benenaz last star in G. Bears T. S.	1 32	South		
Lucida in Capite V Arietis South	1 44	South		
Sindism.bright star in bond of X S.	1 44	South		
Alamack * in Androm. foot South	1 44	South		
The 2. Stars in Lions neck Riseth	1 54	N E to E		
Flying Eagle sets.Gr. dog * Riseth	2 0	W to N. S		
Regulus the * in Li. Heart Riseth	2 36	E N E		
Shining * in side of Perseus South	2 56	South		
Pleiades or 7. Stars South	3 24	South		
The Delphine sets	3 32	W. N W		
Hydras Heart Riseth	3 48	E to So		
Star in Lions Tayle Riseth	4 0	E. N		

names of the Stars and parts of the Right Ecliptical constellations; their Rising, Setting, Ascen- sion.			The Point of the Compasse on which they Rise and Set.	h.	m.
in Noahs Dove Riseth	4	0	S to E	3	
or Buls Eye South	4	12	South	1	
in Whales Tayle Sets	4	28	SW to W	2	
any In the star called the Goat South	4	48	South	1	
in the left foot of Orion South	4	56	South	2	
of Or. & north hor. of S.	5	4	South	3	
in Or. girdle, Job 38.30	5	16	South	2	
right shoulder South	5	32	South	2	
Noahs Dove comes to the Meridian	5	32	South	4	
dematrix of ny Riseth	5	36	E N E	3	
Should. of Auriga South	5	32	South	2	
ight star in Pegas. cal. Marcab. sets	5	56	W N W	2	
urus Riseth, Job 38. 31. —	6	0	N E to E	1	
the right foot of Pollux South	6	16	South	2	
in tip of Wing of Pegasus	6	20	W N W	2	
Alhabor. or G. dog * South	6	30	South	1	
ucida Corona Riseth	6	32	North E	2	
itor one of the twins in II South	7	12	South	2	
ittle Dog star South. —	7	18	South	1	
llux the other of the twins South	7	10	South	2	
ars in Wing of the Raven Ris.	7	28	E S E	4	
Star in Pegas. called Sheat Sets	7	20	North W	1	
ars in the Puppe of the ship South	7	12	South	5	
he Virgins spike Riseth	7	56	E to Sou.	1	
ars in the shou. of Hercules Ris.	8	16	N E to E	4	
acepe with the N. & S. Aselli So.	8	20	South	15	
ndromedas head sets	8	20	No. West	2	
The * in the Ravens foot rise	8	20	S E to E	3	
swans tayle at the North Meridian	8	28	North	2	
Brightest star in neck of the Ser. R.	8	40	E to No.	2	
Idra's heart South	9	12	South	2	
Regulus South	9	50	South	1	
The South ballance of $\Delta$ Rise	9	50	E Sou. E	3	
the Star in the head of the Ram	9	50	North West	2	

The names of the Stars and parts of the Constellations; their Rising, Setting, and Setting.

	Right Ascen. h. m.	Ho. m.	The Point on which Rise and Set	Constellation
Orions shining foot sets	10 8	W to S	Goat	in the W.
North Ballance of Libra Riseth	9 40	E to S.	Lyons	
Head of Serpentarius Riseth	10 16	E. N E	* in	
2.* in the square of the Great Bear	10 40	North	in the	
The Head of Centaurus Riseth	10 40	S E to S	elle * i	
Mirach in Girdle of Andromed. sets	10 40	N S N	set	
Left shoulder of Centaurus Riseth	11 16	S S	Bright star	
The 7. stars set	11 32	N W	in Ball	
First * in the front of m Riseth	11 32	S E to S	7. star	
Lyons Tayle comes to the South	11 32	South	Scorp	
Left shoulder of Orion sets	11 32	W to N	flying	
Great Dog * sets	11 40	W S W	* ca	
Middle * in Orions Girdle sets	12 8	West	in the	
Right shoulder of Orion sets	12 8	W to N	adem	
Third * in the forefront of m Ris.	12 8	S W	th B	
Antares, or Scorpions heart Riseth	12 48	S West	arth h	
Vindemiatrix of m South	12 48	South	anaha	
Flying Eagle Riseth	12 56	E to N	le De	
Virgins spike South	13 4	South	*	
Delphin Riseth	13 12	E Nor. E.	ungs	
Little Dog * setteth	13 50	W to N	leba	
Arcturus comes to the South	14 2	South	litor	
Bright * in right foot of Poll. sets	13 48	W N W	* in	
The * called Sheat Pegasus Riseth	14 4	N E	Arctur	
Hydras heart sets	14 28	W to So.	The S.	
The south Ballance	14 28	South	Pollu	
Mirach the Girdle of Androm. Ris.	14 44	N N E	Fina	
Andromedas Head Riseth	15 0	N E	both	
North Ballance of ~ South	15 0	South	Right	
North Crown South	15 20	South	Mid	
Bright * in neck of the Serp. Ris.	15 28	South		
Marchab. of Pegasus Riseth	15 40	E N		
Middle * cf 3. in the front of m S.	15 40	South		
The tip of the Wing of Pegasus	16 40	W S W		
Scorpions Heart called Antares So.	16 8	South		

The Point  
the Compas-  
on which  
Rise and Sets

names of the Stars and the parts of Right  
stellations ; their Rising, South, Ascen-

The Point of  
the Compas-  
on which they  
Rise and Sets

W  
E  
N  
S

ho. m.

in the Wing of the Raven sets	16 40	W N W	4
W to S Goat	16 40	North	1
E to S Lyons heart sets	17 4	W N W	1
E. N E * in head of the Ram. Riseth	17 48	N E to E	2
North in the Tayle af y <sup>p</sup> Riseth	18 4	S E to E	3
E to S Nelle * in the Lions neck sets	18 8	W N W	3
I S N W a $\infty$ sets	18 16	W to S	1
S Bright star called the Harp South	18 24	South	1
W with Ballance of $\infty$ sets	19 18	W S W	2
E to S 7 stars Rise	19 18	N E to E	5
South Scorpions heart sets	19 26	S West	1
to N Flying Eagle South	19 32	South	2
S W * called Sindismon Riseth	19 40	East	2
West in the horn of y <sup>p</sup> South	19 58	South	3
to N Ademistris sets	20 0	W N W	3
West Ballance sets	20 16	W to Sou.	3
West horn of the Bull Riseth	20 16	N E	3
South Mahant Riseth	20 20	S S E	1
to N Delphin of the Meridian	20 20	South	4
South * in the Whales Tay. Riseth	20 20	S E to E	3
or E. Mans Tayle comes to the Merid.	20 28	South	2
to N Libaran, or Buls Eye Riseth	20 52	E N E	1
South Riser	21 28	N E to N	2
W West in the Tayle of y <sup>p</sup> South	21 28	South	3
South Icarus sets	22 0	N W to W	1
So. The Serpents neck sets	22 0	W to N	2
Pollox Riseth	22 28	N E to N	2
E. Simahaunt South	22 40	South	1
Both Sheat and Marchab. South	22 44	South	3
Left shoulder of Orion Riseth	22 36	East to N	1
Right shoulder of Orion Riseth	23 0	East to N	1
Middle * in Orions Girdle Rise.	23 32	East	2
Head of Andromeda South	23 40	South	2
The shining foot of Orion	23 52	E to Sou.	1
Left star in the Wing of Pegasus	23 56	South	2

# A Prognostication.

## A Table of the Suns right Ascension.

Date	January			February			March			April			May			June		
	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.
1	19	33	21	41	23	28	1	20	3	13	5	22						
2	19	37	21	45	23	32	1	24	3	17	5	27						
3	19	41	21	49	23	35	1	28	3	21	5	31						
4	19	46	21	53	23	39	1	32	3	25	5	34						
5	19	51	21	57	23	43	1	35	3	29	5	38						
6	19	55	22	1	23	46	1	38	3	33	5	41						
7	19	59	22	5	23	50	1	42	3	37	5	44						
8	20	3	22	9	23	53	1	46	3	41	5	47						
9	20	8	22	13	23	56	1	50	3	45	5	50						
10	20	10	22	17	24	0	1	54	3	49	5	53						
11	20	16	22	21	0	4	1	57	3	53	6	56						
12	20	20	22	25	0	7	2	1	3	56	6	4						
13	20	24	22	28	0	11	2	5	4	1	6	8						
14	20	28	22	32	0	15	2	9	4	5	6	10						
15	20	32	22	36	0	18	2	12	4	9	6	10						
16	20	36	22	40	0	22	2	16	4	13	6	12						
17	20	41	22	43	0	26	2	20	4	17	6	19						
18	20	45	22	47	0	29	2	23	4	21	6	20						
19	20	50	22	51	0	33	2	27	4	25	6	34						
20	20	54	22	55	0	37	2	31	4	28	6	37						
21	20	58	22	58	0	40	2	35	4	33	6	41						
22	21	2	23	2	0	44	2	38	4	38	6	45						
23	21	6	23	6	1	48	2	42	4	41	6	49						
24	21	10	23	9	1	51	2	46	4	45	6	53						
25	21	14	23	13	1	55	2	50	4	50	6	57						
26	21	18	23	17	1	58	2	54	4	54	7	62						
27	21	22	23	21	1	62	2	58	4	58	7	66						
28	21	26	23	24	1	65	3	62	5	61	7	70						
29	21	30	23	28	1	69	3	65	5	65	7	74						
30	21	34	23	31	1	73	3	69	5	69	7	78						
31	21	38	23	35	1	77	3	73	5	73	7	82						

Nyc, 1648.

Table of the Suns right Ascension.

July	August	Septemb.	October	Novemb.	Decem.	mi.   h.					
13 5	22 9	24 11	18 13	6	15	7	17	15			
17 5	27 9	28 11	22 13	10	15	11	17	20			
21 5	31 9	32 11	25 13	14	15	15	17	24			
25 5	34 9	36 11	29 13	18	19	19	17	28			
29 5	39 9	40 11	33 13	21	15	23	17	33			
33 5	43 9	43 11	36 13	25	15	27	17	37			
37 5	47 9	46 11	40 13	29	15	31	17	41			
41 5	51 9	50 11	44 13	33	15	36	17	46			
45 5	55 9	53 11	46 13	36	15	40	17	50			
49 5	58 9	58 11	50 13	40	15	44	17	54			
53 0	2 10	2 11	54 13	44	15	48	17	59			
56 4	7 10	6 11	58 13	48	15	52	18	4			
60 8	11 10	9 12	2 13	52	15	56	18	9			
64 12	14 10	12 12	6 13	55	16	1	18	13			
68 15	18 10	16 12	9 14	59	16	5	18	17			
72 18	22 10	20 12	12 14	3	16	9	18	22			
76 21	26 10	24 12	16 14	7	16	14	18	26			
80 24	30 10	27 12	19 14	11	16	18	18	30			
84 28	35 10	31 12	23 14	15	16	23	18	35			
88 31	38 10	35 12	27 14	19	16	27	18	39			
92 34	42 10	38 12	30 14	22	16	31	18	43			
96 38	46 10	41 12	34 14	26	16	35	18	48			
100 41	50 10	45 12	38 14	30	16	40	18	52			
104 45	54 10	49 12	41 14	34	16	44	18	57			
108 48	58 10	53 12	45 14	38	16	48	19	3			
112 52	62 10	58 12	49 14	42	16	53	19	6			
116 55	66 10	61 12	53 14	46	16	57	19	10			
120 59	70 10	65 12	57 14	50	16	1	19	15			
124 63	74 10	69 12	59 14	55	17	5	19	19			
128 67	78 10	73 12	63 14	59	17	11	19	23			
132 71	82 10	77 12	67 14	53	17	19	19	28			
136 75	86 10	81 12	71 14	15							

## The use of the former Tables.

BY the help of those Tables you may perfectly know at what hour and min. all those stars both the South, and Set, after this manner: first find  $\odot$  right ascension by the last Table, then find the Stars ascension subtract  $\odot$  ascension out of the stars, and that which remaines is either their Rising, Southing, or Setting, you cannot make the subtraction adde 24.ho. therewer and then you make your subtraction.

Note, that if after the subtraction be made, there remain more then 12.ho. cast away 12. and the remainder is the Number.

### Example.

**U**pon March 10. all the stars Rise, South, and Set without any addition or subtraction, but just as they are set down in the Table.

I desire to know upon Nov. 5. when they Rise, Set, and Set; the first star in the Table, is Lucida Comae, whose right ascension is 8.min. the ascension of  $\odot$  is 15.ho. and 23.min. as appears by the Table of Ascension; because I cannot take 15.ho. and 23.min. out of 8.min. I adde thereunto 24.h. then it is 24.h. 8.min. out of which I take 15.h. 23.min. and the remainder is 8.h. 35.min. I cannot cast away 12. and that which remaines is 8.h. and 35.min. in the evening, for ever when you do cast away 12. that which remaines is in the morning but if there be no need to cast away 12. then it is the noone.

### Another Example.

I Desire to know when Arcturus sets upon April 1. on which day  $\odot$  right ascension is 1.h. and 20.m. as Arcturus his ascension just 22.ho. out of which I take 1.h. and 20.m. there remains 20.h. and 40. m. which if I take away 12. will shew that Arcturus sets at 8. and 20.m. in the morning.

FINIS.